

MYP Subject Area: Mathematics

Unit Title	Key Concept	Related Concepts	Global Context	Statement of Inquiry	Subject Objectives & Strands	Overview of Summative Assessment Task	Approaches to Learning Skill Clusters	Content
Exponents and Scientific Notation: Powers of powers	change	relationships, system	Gobalization and sustainability	Systems evolve to meet changing needs of the society.	B. Investigating patterns	Exam	Self-management skills	Exponents, exponential growth, scientific notation
graphs and functions	relationships	representation	Personal and Cultural Expression	Mathematical concepts can be represented in multiple forms	C. Communicating; iii. move between different forms of mathematical expression	MARS Task	Communication	Function tables, analyzing, creative graphs
slope and y-intercept/linear functions	relationships	change	Identities and Relationships	Visual representation can be used to model change.	A. Knowing and Understanding i. Select appropriate mathematics when solving problems in both familiar and unfamiliar situations. ii. Apply the selected mathematics successfully D. Applying mathematics in real-life contexts; i. identify relevant elements of authentic real life situations, iii. apply the selected mathematical strategies successfully to reach a solution	Students will graph nwea/map data from 2 previous years in math and reading. Students will identify slope and y intercept and reflect on their growth.	Research: Information Literacy; Self-Management: Reflection	Rate of change, slope, intercepts, solving for a variable, slope y-intercept form
system of equations	logic	equivalence generalization	Scientific and Technological Innovation	Mathematics can be used to justify real world information	C. Communicating; iii. move between different forms of mathematical expression, v. organize information using a logical structure	MARS Task	Thinking: Critical Thinking	Interception, relationships,
quadratic functions	form	justification	Scientific and Technological Innovation	Mathematical information is organized into logical structures	A. Knowing and understanding; ii. apply the selected mathematics when solving problems.	Project	Thinking: Transfer: Apply knowledge and skills in unfamiliar situations	Formula, vertice, x,y intercepts, application